

Purchase Order Receipt Listing

Monday, September 19, 2016 11:24:35 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO33489 Receipt Dates from 9/16/2016 to 9/16/2016 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VU-MET002 A.M. Castle & Co. (Canada) Inc.- C/O 910720											
PO33489	1		M174B1.500X02.250 f		9/16/2016	9/16/2016	12.0000		0.0000	0	\$0.00
USD	No		17-4 SS Bar 1.50 f		12.0000	PLOU01			0.0000	0	
			X2.250								
			m135690								
	2		M7075T6B5.000X0.3 f		9/16/2016	9/16/2016	12.0000		0.0000	0	\$0.00
	No		75		12.0000	PLOU01			0.0000	0	
			7075-T6 BAR 5.000" f								
			X 0.375"								
			m135690								
	4		M7075T73B2.500X0 f		9/16/2016	9/16/2016	4.0000		0.0000	0	\$0.00
	No		3.25		4.0000	PLOU01			0.0000	0	
			7075-T73 Bar 2.50 x f								
			3.25								
			m135690								

Total Received Quantity: 28.0000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$0.00
Total Balance Due Quantity: 0.0000



Castle Metals®

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

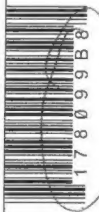
Shipment No:3075619

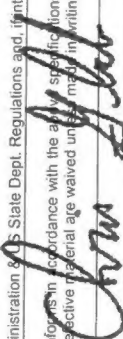

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 14-SEP-16	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOU LIN	BOL No 3075619-2

Shipment Details		Final Destination Branch - TOR
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Order No 4478589	Line No 1	Item No 750067.MO	Description 0.3750.PL.7075.T651-ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 5 IN (+ .0620/- .0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 33489	Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS

Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS			
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Delivery No. 120533742	Mill KAISER ALUMINUM	Heat Number 	Mech Id 1	PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 28.3863
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These commodities/technologies are subject to US Export Administration Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the applicable specifications and has been found to meet the applicable requirements for the material. Any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived under this material in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the customer's size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative: 	SEP date: 2016 Name: 

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.	
Date Printed: 14-SEP-2016 05:12:19 PM	

SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CERTIFIED TEST REPORT

Serial Number

4423896

CUSTOMER PO NUMBER: 381969		WORK PACKAGE:		CUSTOMER PART NUMBER: 750067		SHIP RUN/LOAD: 103612/20		GOV'T CONTRACT NUMBER:			
KAISER ORDER NO: 1214279		LINE ITEM: 1	SHIP DATE: 1-JUL-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651	PRODUCT DESCRIPTION: Sawed Plate				
WEIGHT SHIPPED: 3248 LB		QUANTITY: 12 PCS EST.		TRUCK B/L #: 2061108		GAUGE: 0.3750 IN (9.5250 MM)		DIAMETER/WIDTH: 48.500 IN (1231.9 MM)		LENGTH: 144.500 IN (3670.3 MM)	

MHU 2016093: LOT 178099B8; 12 pieces;

Certified Specifications

AMS 4045/RevL
CMMP 025/RevU

AMS-QQ-A-250/12/RevA

DAS

14

0-00

16/09/23

ASTM B 209/Rev14

Test Code: 1512

Test Results

Lot: 178099B8

Cast 211

Drop 90

Ingot 3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:

Temper

T651

Dir / # Tests

LT / 2 (Min:Max)

Ultimate KSI (MPA)

89.0 : 89.3

(614 : 616)

Yield KSI (MPA)

78.5 : 78.7

(541 : 543)

Elongation %

13.0 : 13.2

(ASTM E1251)

Chemistry:

Actual(wt%)

SI

FE

CU

MN

MG

CR

ZN

TI

V

ZR

OTHER

0.05

0.11

1.6

0.01

2.6

0.19

6.0

0.02

0.01

0.01

TOT

0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 3



KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

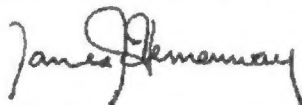
Serial Number
4423896

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1251 (<= 1 ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



**Castle Metals®**

A. M. Castle & Co.


PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3075619

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 14-SEP-16	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier MANITOU LIN	BOL No 3075619-2		

Shipment Details		Final Destination Branch - TOR	
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Order No 4478589	Line No 4	Item No 752241.MO	Description 2.5000.PL.7075.T7351.ALUMINUM.USI.48.5000.144.5000 CUT 2SIDED TO 48.5 IN (+ .0620/- .0000IN) X 3.25 IN (+ .0620/- .0000IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12			
Purchase Order No 33489	Part Number		Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS		
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No. 120533743	Mill KAISER ALUMINUM	Heat Number  782747A01	Mech Id 1	PCS 1	Width (IN)	Length (IN) 40.7555

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.
Date Printed: 14-SEP-2016 05:12:19 PM



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 2 of 2

Reviewed by Authorized Castle Metals Representative:	Date:	Name:
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Chris Galt

SEP 14 2016



SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4403443

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CUSTOMER PO NUMBER: 344049		WORK PACKAGE:	CUSTOMER PART NUMBER: 752241		SHIP RUN/LOAD: 103437/9	GOVT CONTRACT NUMBER:	
KAISER ORDER NO: 1199092	LINE ITEM: 1	SHIP DATE: 6-JAN-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T7351	PRODUCT DESCRIPTION: KaiserSelect Plate	
WEIGHT SHIPPED: 5412 LB	QUANTITY: 3 PCS EST.	TRUCK B/L #: 2057936		GAUGE: 2.5000 IN (63.5000 MM)	DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)	

MHU 1960912; LOT 159738B4; 1 pieces;

MHU 1960921; LOT 782747A0; 2 pieces;

Certified Specifications

DAS
14
9-30

12/09/23

AMS 4078/RevJ
ASTM B 209/Rev14
BSS 7055/RevB
DPS 4.713/RevAK
MMS 159/RevT

AMS-QQ-A-250/12/RevA
ASTM B 594/Rev13
CMMP 025/RevU
GAMPS 9101/RevB/AmdSCN1
PS 21211/RevM

AMS-STD-2154/RevA
BAC 5439/RevJ
CSTI 006/RevE
GSS16100/RevG/Amd1

Test Code: 4297

Test Results

Lot: 159738B4 Cast 108 Drop 25 Ingot 5 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	68.8 : 69.0 (474 : 476)	57.6 : 57.7 (397 : 398)	11.4 : 11.9

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS :	40.1 Min	40.4 Max
(MS/M) :	23.3 Min	23.4 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	1.5	0.05	2.5	0.20	5.7	0.03	0.01	0.01	TOT 0.05



KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4403443

Lot: 782747A0 Cast 108 Drop 25 Ingot 5 Parent Lot: 159738B4 Melted in USA

(ASTM B8/B557)
(EN 2002-1)

Tensile: Temper: Dir / # Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %
T7351 LT / 2 (Min:Max) 69.0 : 69.8 58.0 : 58.8 11.2 : 11.5
(476 : 480) (400 : 405)

(ASTM E1004)
(EN 2004-1)
Conductivity %IACS : 39.7 Min 40.4 Max
(MS/M) : 23.0 Min 23.4 Max

DAS
14
0.09

16/09/23

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	1.5	0.05	2.5	0.20	5.7	0.03	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15413B R 6
AMS 4078,AMS QQ-A-250/12,AMS STD-2154,A
STM B209,ASTM B594,BS
S 7065,CMMP 026,CSTI 006,DPS 4.713,GAMP
S 9101,MMS 159,PS 212

11

TEST NOTES

Metal represented by this test report was 100% Type I
(immersion) ultrasonically tested from one side with 3mm
dead zones top and bottom and meets the Class A and Class B
requirements of all specifications referenced on this test
report. No surface marking of sonic indications is
performed.





Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4403443

CERTIFICATION

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- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
- was melted in the United States of America or a qualifying country per OFARS 225.972-1(a), was manufactured in the United States of America, and meets the requirements of OFARS 252,225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1231 (C = 1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on this certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR



**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE


Page 1 of 2

Shipment No:3075619

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 14-SEP-16	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOU LIN	BOL No 3075619-2

Shipment Details

Final Destination Branch - TOR

Order No 4479982	Line No 2	Item No 9199;BO	Description 1.5000.2.2500.FLAT.17CR-4NI.STAINLESS.HR.ANN.PICKLE.132.0000 -156.0000 SPECIFICATIONS: AMS 5643 ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com	
Purchase Order No 33489	Part Number	Ordered Qty 137.70 LBS	Invoice Qty 11.4167 FT	
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS				
Delivery No. 120538774	Mill	Heat Number 	Mech Id 1	PCS 1
		Width (IN)	Length (IN) 137.0000	Shipped Qty(LBS) 134.0000



Castle Metals®

A. M. Castle & Co.

**PACKING SLIP/
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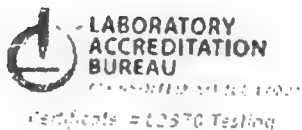
Page 2 of 2

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We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

Chris Galt

SEP 14 2016





Dunkirk Specialty Steel, LLC.

830 Brigham Road | Dunkirk, NY 14048

(716) 366-1000

Material Certification



Materials Testing Laboratory
Heat Treating

#150572927

4/4

MILL ORDER: 0070744
PART NUMBER: SN16020
P.O. NUMBER: JRR56-1
SERIAL NUMBER: DNK-0070744-G22578-85570

P.O. DATE: 4/12/2016

PAGE NUMBER: 1 of 1

PRINTED: 5/19/16 09:37

FRY STEEL COMPANY
P.O. BOX 4048
SANTA FE SPRINGS, CA 90670

FRY STEEL CO
C/O C.M.I. FREIGHT TRANS
4201 WEST 36TH ST
CHICAGO, IL 60623

Material Description: STAINLESS STEEL FLAT BAR 17-4 EAF+AOD HOT ROLLED SOLUTION TREATED PICKLED AMS 2303F, ASTM A484-16, ASME SA564 (2013 Ed. 630 condition A), Rockwell MB0160-003D (except hardness 6 UT/MT0501-510), ASTM A564-13 (type 630 condition A), AMS 5643T

Size: 1.5000 X 2.2500 X 132.0000 MIN/ 156.0000 MAX RANDOM LENGTH

Heat Number	TOP	Wt	C	0.031	MN	0.01	SI	0.30	S	0.001	P	0.023
G22578			CR	15.26	W	<0.05	V	0.07	NI	4.22	MO	0.21
			CO	0.07	CU	3.52	SN	0.008	PB		CB	0.30
			TA	<0.01	AL	<0.01	TI	<0.01	FE		B	0.001
			O		MG		CA		SE		ZR	
			AG		BI		N	0.023	H		CQ	

HARDNESS: 358 HBW

TENSILE:
900 F/1 HR/AC: DIR. T/S KSI 0.2% Y/S KSI VEL 1/R/A HARDNESS
LONG. 202.4 180.2 13.52 47.13 403 HBW

FERRITE:
900 F/1 HR/AC: < 5.00% - TEST WAS PERFORMED BY UNIVERSAL STAINLESS, BRIDGEVILLE, PA

MAGNETIC PARTICLES: F/S = 0/0 - TEST WAS PERFORMED BY UNIVERSAL STAINLESS, BRIDGEVILLE, PA

MACRO ETCH: as-received - TEST WAS PERFORMED BY UNIVERSAL STAINLESS, BRIDGEVILLE, PA
S - 1 R - 1 C - 1

THIS MATERIAL WAS SOLUTION TREATED AT A TEMPERATURE OF 1900° F/1 HR/AC

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

DAS
14
0:30 16/09/23

JUN 20 2016

BY Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER

Prepared by Amy Giordano

/S/Miles Voigt Miles Voigt

Date: 05/19/16

Prepared by Amy Giordano

Miles Voigt, Lab Supervisor

Melted and manufactured in compliance with DFARS 252.225-7009 ALT 1. Melted and chemistry tested by USAP in Bridgeville, PA, USA. Material Manufactured in USA. Certification (AW DIN 50 849/EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFTA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 12 dated 4/1/2016, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A604, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-GDS, E1444, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47. Test results are maintained in company records. This certification shall not be produced, except in full, without written approval of Dunkirk Specialty Steel. Material is free from Radioactive Contamination. Safety Data Sheets (SDS) are available at www.noivstainless.com. If applicable: Decarb test - furnace atmosphere is Argon; Corrosion Test (ASTM A262 Practice A) - Etchant used - 10% Oxalic Acid; Microstructure @ magnification 250 - 500X. Stress Rupture, Bending Test (ASTM 384), and Microcleanliness tests performed by Westmoreland Testing Laboratory or Element Materials Technology. Impact Testing and Corrosion Test (ASTM A262 Practice E) performed by the NSL Testing Laboratory, Westmoreland Testing Lab or Element Materials Technology. Unless otherwise stated, Percentage Elongation is measured in 4D. Speed of Testing: 0.005 in/in/min.; 0.05 in/in/min.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33489**

Purchase Order Date 8/31/2016

PO Print Date 8/31/2016

Page Number 1 of 3

Order From :

VU-MET002

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

AUG 31 2016

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174B1.500X02.250 ✓	17-4 SS Bar 1.50 X2.250	9/16/2016 Yes 9/16/2016		12.00 f ✓	\$87.21	\$1,046.52
MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643 GRAIN DIRECTION MUST BE ALONG LENGHT							
Line Total:							\$1,046.52
2	M7075T6B5.000X0.375 ✓	7075-T6 BAR 5.000" X 0.375"	9/16/2016 Yes 9/16/2016		12.00 f ✓	\$19.83	\$238.00
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE							
Line Total:							\$238.00

8/16-9-19.

Note:

8/31/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33489**

Purchase Order Date 8/31/2016

PO Print Date 8/31/2016

Page Number 2 of 3

Order From :

VU-MET002

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

3	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets - 13.375")	9/16/2016	13.38	\$81.62	\$1,092.00
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Yes

f

9/16/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 12 PCS AT 13.375", GRAIN DIRECTION ALONG 13.375"

Line Total: \$1,092.00

4	M7075T73B2.500X03.25 ✓	7075-T73 Bar 2.50 x 3.25	9/16/2016	4.00 ✓	\$74.00	\$296.00
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Yes

f

9/16/2016

MATREIAL: 7075-T73 OR 7075-T7351/T73510/T73511
BAR AS PER AMS-QQ-A-200/11 PR AMS-QQ-A-225/9
OR AMS 4124 OR AMS-QQ-A-250/12 AMS 4078

Line Total: \$296.00

8/16-9-19

Note:

8/31/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO33489**

Purchase Order Date 8/31/2016

PO Print Date 8/31/2016

Page Number 3 of 3

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

5	14000-00	PROCUREMENT QUALITY CLAUSES	9/16/2016	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

9/16/2016

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$0.00

PO Total: \$2,672.52

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/31/2016

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M707ST73B2.500X3.25
 DATE 16/09/23

PO - BATCH NO 33489/135690

MATERIAL CERTIFIED yes
 QUANTITY RECEIVED 4
 QUANTITY INSPECTED _____
 QUANTITY REJECTED _____

THICKNESS ORDERED 2.50
 THICKNESS RECEIVED 2.50
 SHEET SIZE ORDERED _____
 SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.500
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HEAT # 782747A0
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	M707ST73B2.000X3.25
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	M135690
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS - DUROMETER READING				

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION
 INSPECTED BY 14
 DATE 16/09/23
 SIGNED OFF BY _____
 DATE _____

Attach this inspection sheet with the corresponding material cert and send to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO - BATCH NO 33489/135690

MATERIAL M174 B1.500X2.250
DATE 16/09/23

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED _____

THICKNESS ORDERED 1.500
THICKNESS RECEIVED 1.520
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.520
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HEAT # 622578
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	M174 B1.500X2.250
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	M135690
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION
INSPECTED BY DAS
DATE 16/09/23
SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and send to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 33489/135690

MATERIAL M707STL6BS.OOX.375
DATE 16/09/23

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED

THICKNESS ORDERED .375
THICKNESS RECEIVED .380
SHEET SIZE ORDERED
SHEET SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	380
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	HEAT # 178099B8
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	M707STL6BS.OOX.375
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	M135690
DOES THIS MATERIAL REQUIRE ENGINEERING SIGNOFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

QC 18 INSPECTION

INSPECTED BY 14
DATE 16/09/23

SIGNED OFF BY
DATE

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in